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Effective Date: 8/4/00

Annex No. 001
To
Memorandum of Agreement (MOA) FNA/08-00-01
Between the
Federal Aviation Administration (FAA)
And the
National Aeronautics and Space Administration (NASA)
Langley Research Center (LaRC)
Concerning
Weather Accident Prevention R&D Activities

**Development and Evaluation of Aviation Weather Products
For Deployment in the National Airspace System (NAS)**

The purpose of this instrument is to ratify an agreement between FAA and NASA for the purpose of providing expert technical support in the area of human factors/aviation weather research to the NASA Aviation Safety Program (AvSP). This agreement is in concert with recommendations from both the FAA and NASA Inspector General offices to further the collaboration and cooperation that exists between the two agencies.

This annex supports cooperation between the FAA and NASA in the area of aviation weather research in accordance with the following NASA/FAA joint agreements:

- a. Memorandum of Understanding (MOU) FNA 08 for Aviation Safety Research, dated July 2, 1999.
- b. Memorandum of Agreement (MOA) FNA/08-00-01 concerning Weather Accident Prevention R&D Activities, dated June 27, 2000.
- c. Memorandum of Agreement (MOA) FNA/05-97-01 concerning support of FAA R&D Field Offices at NASA Research Centers, dated March 12, 1997.
- d. Interagency Agreement DTFA01-97-Z-02031 for the transfer of funds between DOT/FAA and NASA concerning support of the FAA R&D Field Office at the NASA Langley Research Center, dated July 15, 1997.

The FAA Aviation Weather Research Program is developing improved weather products that will be shared among ground and airborne users for collaborative decision making. NASA's Aviation Weather Information (AWIN) element of the AvSP will develop new technologies that will provide accurate, timely, and intuitive information to pilots, dispatchers, and air traffic controllers to enable the detection and avoidance of atmospheric hazards. In order for the two agencies to collaborate as partners in these critical aviation safety activities, the FAA (Human Factors Division, AAR-100) will provide expertise and technical support to the NASA Aviation Weather Team. This collaboration will require dedicated resources from both the FAA and NASA to support the development of these technologies. FAA resources will include, but not be limited to, personnel assignments to NASA for the purpose of coordinating the development and transfer of the technologies. NASA resources will include, but not be limited to, equipment and funding to facilitate technical support, interaction and collaboration with the FAA. Initially this task will require an FAA personnel assignment to the FAA R&D Field Office located at NASA Langley Research Center, Hampton, Virginia, to work with the Aviation Weather Team during the time period June 1, 2000, through the end of Fiscal Year 2004.

The FAA agrees to a personnel assignment to the NASA Aviation Safety Program to serve as a member of the NASA Aviation Weather Team. The incumbent will be a full-time resident at Langley Research Center in Hampton, Virginia, during the performance of duties related to this assignment. This assignment will be in effect for the period June 18, 2000, through September 30, 2004.

NASA (AvSP) agrees to reimburse the FAA, as indicated below, to support the research requirements related to this activity. On an annual basis via a NASA purchase order with specifics outlined in an appropriate statement-of-work, which also delineates the duties related to this assignment, NASA will, subject to the availability of funds, transfer funds to the FAA as follows:

FY-2000 (for period 6/4/00 to 9/30/00)	\$ 30K
FY-2001	\$ 98K
FY-2002	\$105K
FY-2003	\$115K
FY-2004	\$125K

AGREED:

Department of Transportation
Federal Aviation Administration

for Paul Krow

Mark Rodgers, Chief Scientist
Human Factors Division, AAR-100

7/28/00

Date

National Aeronautics and Space
Administration
Langley Research Center

Ruth M Martin

Ruth M. Martin, Associate Director
Program Integration

7/13/00

Date

CONCURRENCE:

Department of Transportation
Federal Aviation Administration

Gloria Kulesa

Gloria Kulesa, Weather/Flight Service Systems IPT
Technical Representative, MOA FNA/08-00-01

7/31/00

Date

National Aeronautics and Space
Administration
Glenn Research Center

Renato Colantonio

Renato Colantonio, Aviation Safety Program
Technical Representative, MOA FNA/08-00-01

8-4-00

Date

Department of Transportation
Federal Aviation Administration

George C. Greene

George C. Greene, Acting Manager
FAA R&D Field Office (Langley), AAR-210

7/13/00

Date